

Electronic and steric interactions in molecules of some aromatic dimethylamino derivatives

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Abstract

1. The additive scheme is applicable to calculating the Kerr constant and dipole moment of m-nitrodimethylaniline. 2. For 4-nitro-2-dimethylaminotoluene the rotation of the $(\text{CH}_3)_2\text{N}$ group relative to the $\text{C}-\text{N}$ bond away from the CH_3 substituent is coupled with an increase in the pyramidal nature of the nitrogen. © 1975 Plenum Publishing Corporation.

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